

Title (en)

Ferritic stainless steel sheet for fuel tank and fuel pipe and method for making the same

Title (de)

Ferritisches rostfreies Stahlblech geeignet für einen Kraftstofftank und für eine Kraftstoffleitung sowie Verfahren zu dessen Herstellung

Title (fr)

Tôle d'acier ferritique inoxydable pour un réservoir de carburant et pour une conduite de carburant et son procédé de fabrication

Publication

EP 1227168 A1 20020731 (EN)

Application

EP 01130477 A 20011220

Priority

- JP 2000391108 A 20001222
- JP 2001105483 A 20010404

Abstract (en)

A ferritic stainless steel sheet for fuel tanks and fuel pipes comprises, by mass percent, about 0.1% or less of C; about 1.0% or less of Si; about 1.5% or less of Mn; about 0.06% or less of P; about 0.03% or less of S; about 1.0% or less of Al; about 11% to about 20% Cr; about 2.0% or less of Ni; about 0.5% to about 3.0% Mo; about 0.02% to about 1.0% V; about 0.04% or less of N; at least one of about 0.01% to about 0.8% Nb and about 0.01% to about 1.0% Ti; and the balance being Fe and incidental impurities. The ferritic stainless steel sheet is produced by rough-rolling a slab having the above composition; hot-rolling the rough-rolled sheet under a linear pressure of at least about 3.5 MN/m at a final pass in the finish rolling; cold-rolling the hot-rolled sheet at a gross reduction rate of at least about 75%; and annealing the cold-rolled sheet. The cold-rolling step includes one rolling stage or at least two rolling stages including intermediate annealing. <IMAGE>

IPC 1-7

C22C 38/22; **C10M 107/28**; **C21D 8/02**

IPC 8 full level

C22C 38/18 (2006.01); **C10M 105/24** (2006.01); **C10M 107/04** (2006.01); **C10M 107/28** (2006.01); **C10M 111/04** (2006.01); **C21D 8/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/44** (2006.01); **C22C 38/46** (2006.01); **C22C 38/48** (2006.01); **C22C 38/50** (2006.01)

CPC (source: EP KR US)

C10M 105/24 (2013.01 - EP US); **C10M 107/04** (2013.01 - EP US); **C10M 107/28** (2013.01 - EP US); **C10M 111/04** (2013.01 - EP US); **C21D 8/0205** (2013.01 - EP US); **C21D 8/0278** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/004** (2013.01 - EP US); **C22C 38/18** (2013.01 - KR); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **C10M 2205/0225** (2013.01 - EP US); **C10M 2207/1253** (2013.01 - EP US); **C10M 2209/0845** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2050/023** (2020.05 - EP US); **C21D 8/0226** (2013.01 - EP US); **C21D 8/0236** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1227168 A1 20020731; **EP 1227168 B1 20050504**; DE 60110539 D1 20050609; DE 60110539 T2 20050922; KR 100501625 B1 20050718; KR 20020051877 A 20020629; US 2002117240 A1 20020829; US 2004094240 A1 20040520; US 6786981 B2 20040907

DOCDB simple family (application)

EP 01130477 A 20011220; DE 60110539 T 20011220; KR 20010082579 A 20011221; US 1654301 A 20011211; US 71498703 A 20031117